

What is claimed is:

1 *sub* 1. A method for removing static electricity in a
2 fingerprint-reading apparatus provided with a fingerprint-reading
3 portion on which a fingerprint is read in a state that a finger
4 is put thereon, comprising the step of:
5 removing said static electricity stored on a finger of a user
6 in his movement for putting his finger on a fingerprint-reading
7 portion.

1 2. A method for removing static electricity in a
2 fingerprint-reading apparatus provided with a fingerprint-reading
3 portion having a cover on which a fingerprint is read in a state
4 that said cover is opened and a finger is put thereon, comprising
5 the step of:
6 removing said static electricity stored on said finger of a
7 user when said cover is opened.

1 3. The method for removing static electricity as defined in
2 claim 2, wherein:
3 said step of removing said static electricity comprises the
4 steps of:
5 forming said cover by conductive material,
6 connecting said cover with a ground, and
7 conducting static electricity to a ground via said cover when
8 said cover is opened by said finger of said user.

1 4. The method for removing static electricity as defined in
2 claim 2, wherein:

3 said step of removing said static electricity comprises the
4 steps of:

5 providing a plate formed of conductive material for said
6 fingerprint-reading apparatus,

7 situating said plate on a position on which said user puts
8 said finger to open said cover,

9 connecting said plate with a ground ,and

10 conducting said static electricity stored on said finger of
11 said user to said ground via said plate.

1 5. A method for removing static electricity in a
2 fingerprint-reading apparatus which is previously contained in
3 another apparatus and used after said another apparatus is opened,
4 comprising the step of:

5 providing a fingerprint-reading portion on which a fingerprint
6 is read in a state that a finger is put thereon for said
7 fingerprint-reading apparatus, and

8 removing said static electricity stored on said finger of a
9 user when said user opens a main cover of said another apparatus.

1 6. The method for removing static electricity as defined in
2 claim 5, wherein:

3 said another apparatus is provided with a lock-releasing button
4 which is formed of conductive material and connected with a ground,
5 and

6 said static electricity stored on said finger is removed via

7 a lock-releasing button when said user opens said main cover of
8 said another apparatus.

1 7. A fingerprint-reading apparatus, comprising:
2 a finger-reading portion on which a fingerprint is read in
3 a state that a finger is put thereon, and
4 a cover which closes said fingerprint-reading portion when
5 said fingerprint-reading portion is not used, and is opened by said
6 finger when said finger is put on said fingerprint-reading portion,
7 wherein said cover is formed of conductive material and connected
8 with a ground.

1 8. The fingerprint-reading apparatus as defined in claim 7,
2 wherein:
3 said conductive material is conductive resin.

1 9. The fingerprint-reading apparatus as defined in claim 7,
2 wherein:
3 said conductive material is metal.

1 10. A fingerprint-reading apparatus, comprising:
2 a fingerprint-reading portion on which a fingerprint is read
3 in a state that a finger is put thereon,
4 a cover which closes said fingerprint-reading portion, and
5 a plate on which said finger is put to open said cover,
6 wherein said plate is formed of conductive material and connected
7 with a ground.

1 11. The fingerprint -reading apparatus as defined in claim 10,
2 wherein:

3 said conductive material is conductive resin.

1 12. The fingerprint-reading apparatus as defined in claim 10,
2 wherein:

3 said conductive material is metal.

1 13. A data terminal which begins to operate when a fingerprint
2 is certified and a start-lock thereof is released, comprising:

3 a main body provided with said fingerprint-reading apparatus
4 for reading said fingerprint, and

5 a main cover which is provided with a display, shields said
6 fingerprint-reading apparatus and closes said main body when said
7 data terminal is not used, and opens to expose said display bringing
8 a side thereof into contact with said main body when said data terminal
9 is used,

10 wherein said fingerprint-reading apparatus comprises:

11 a fingerprint-reading portion on which said fingerprint is
12 read in a state that a finger is put thereon, and

13 a cover which closes said fingerprint-reading portion when
14 said fingerprint-reading portion is not used, and is opened by said
15 finger when said finger is put on said fingerprint -reading portion,

16 wherein said cover is formed of conductive material and connected
17 with a ground.

1 14. The data terminal as defined in claim 13, wherein said
2 conductive material is conductive resin.

1 15. The data terminal as defined in claim 13, wherein:
2 said conductive material is metal.

1 16. A data terminal which begins to operate when a fingerprint
2 is certified and a start-lock thereof is released, comprising:
3 a main body provided with a fingerprint-reading apparatus for
4 reading said fingerprint, and
5 a main cover which is provided with a display, shields said
6 fingerprint-reading apparatus and closes said main body when said
7 data terminal is not used, and opens to expose said display bringing
8 a side thereof into contact with said main body when said data terminal
9 is used,
10 wherein said fingerprint-reading apparatus comprises:
11 a fingerprint-reading portion on which said fingerprint is
12 read in a state that a finger is put thereon,
13 a cover which closes said fingerprint-reading portion, and
14 a plate on which said finger is put to open said cover,
15 wherein said plate is formed of conductive material and connected
16 with a ground.

1 17. The data terminal as defined in claim 16, wherein:
2 said conductive material is conductive resin.

1 18. The data terminal as defined in claim 16, wherein:
2 said conductive material is metal.

1 19. A data terminal which begins to operate when a fingerprint
2 is certified and a start-lock thereof is released, comprising:

3 a main body provided with a fingerprint-reading apparatus for
4 reading said fingerprint,

5 a main cover which is provided with a display, shields said
6 fingerprint-reading apparatus and closes said main body when said
7 data terminal is not used, and opens to expose said display bringing
8 a side thereof into contact with said main body when said data terminal
9 is used, and

10 a lock-releasing button which locks said main cover relative
11 to said main body so that said main cover closes said main body,
12 and unlocks said main cover in order to open that,

13 wherein said lock-releasing button is formed of conductive
14 material and connected with ground.

1 20. The data terminal as defined in claim 19, wherein:

2 said conductive material is plastic containing carbon fibers
3 therein.